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(54) Title: PROCESS FOR THE SURFACE TREATMENT OF AN ARTICLE CONTAINING SILICONE CROSSLINKED BY
POLYADDITION

(57) Abstract: The invention relates to a process for increasing the surface tension ("wettability") of a silicone element crosslinked by polyaddition from a liquid composition comprising one or more α,ω -dimethylvinylpolydimethylsiloxanes (PDMS), one or more poly(dimethyl)(methylhydrogenosiloxy)- α,ω -dimethylhydrogenosiloxanes, optionally a silicone resin, optionally a crosslinking retarder of the ethynylcyclohexanol type, optionally an adhesion promoter (vinyltrimethoxysilane/3-glycidoxypropyltrimethoxysilane/butyl titanate) and a platinum crosslinking catalyst. To do this, it is proposed according to the invention to treat the silicone surface with a homogeneous atmospheric plasma by means of a plasma spraying apparatus comprising a rotating head having one or more plasma nozzles that are offset relative to the axis of rotation, each one being capable of generating a plasma jet whose axis is parallel to said axis of rotation. The articles to which the invention relates more particularly, but without implying a limitation, are composites of flexible substrate (e.g. textile)/silicone coating. Application: adhesive bonding of silicone surfaces crosslinked by $\equiv\text{Si-H}/\equiv\text{Si-vinyl}$ polyaddition.